

California Weather-Hydro Conditions during November 2017

As of November 30, 2017, statewide hydrologic conditions were as follows: precipitation, 85 percent of average to date; runoff, 115 percent of average to date; and reservoir storage, 115 percent of average to date.

Sacramento River Region unimpaired runoff, for Water Year 2018, observed through November 30, 2017 was about 1.6 million acre-feet (MAF), which is about 117 percent of average. In comparison to Water Year 2017, the observed Sacramento River Region unimpaired runoff through November 30, 2016 was about 2.0 MAF, or about 147 percent of average. San Joaquin River Region unimpaired runoff, for Water Year 2018, observed through November 30, 2017 was about 0.3 MAF, which is about 147 percent of average. In comparison to Water Year 2017, the observed San Joaquin River Region unimpaired runoff through November 30, 2016 was about 0.5 MAF, or about 226 percent of average. Tulare Lake Region unimpaired runoff, for Water Year 2018, observed through November 30, 2017 was about 0.1 MAF, which is about 109 percent of average. In comparison to Water Year 2017, the observed Tulare Lake Region unimpaired runoff through November 30, 2016 was about 0.07 MAF, or about 63 percent of average.

On November 30, 2017, the Northern Sierra 8-Station Precipitation Index Water Year total was 11.9 inches, which is about 121 percent of the seasonal average to date and 22 percent of an average water year (51.8 inches). During November, the total precipitation for the 8-Stations was 11.1 inches, or about 168 percent of average for the month. Last year on November 30, 2016, the Water Year 2017 seasonal total for the 8-Stations was 18.0 inches, or about 184 percent of average.

On November 30, 2017, the San Joaquin 5-Station Precipitation Index Water Year total was 4.8 inches, which is about 68 percent of the seasonal average to date and 11 percent of an average water year (40.2 inches). During November, the total precipitation for the 5-Stations was 4.3 inches, or about 93 percent of average for the month. Last year on November 30, 2016, the Water Year 2017 seasonal total for the 5-Stations was 9.2 inches, or about 131 percent of average.

On November 30, 2017, the Tulare Basin 6-Station Precipitation Index Water Year total was 2.0 inches, which is about 45 percent of the seasonal average to date and 6 percent of an average water year (28.8 inches). During November, the total precipitation for the 6-Stations was 1.8 inches, or about 60 percent of average for the month. Last year on November 30, 2016, the Water Year 2017 seasonal total for the 6-Stations was 3.5 inches, or about 80 percent of average.

Daily Precipitation (in inches) for Selected Stations as of 11/30/2017					
Station	Water Year 2018 to Nov 30, 2017	% Average	Water Year 2017 to Nov 30, 2016	% Average	WY 2018% of Avg Water Year (Oct 1 – Sep 30)
Mount Shasta	5.31	69	15.83	206	12
Eureka	9.27	118	15.44	197	23
Redding	5.55	84	11.54	175	16
South Lake Tahoe	6.29	125	8.23	163	31
Sacramento Executive Airport	2.28	75	5.84	193	12
Santa Rosa (Sonoma Co AP)	5.74	85	9.45	141	16
San Francisco	3.14	73	4.57	107	13
Stockton	0.91	36	3.98	159	6
Yosemite	4.80	73	8.78	133	13
Monterey	1.57	56	4.22	150	10
Paso Robles	0.26	16	2.58	156	2
Fresno	0.37	22	2.05	121	3
Bakersfield	0.03	3	0.62	66	0
Death Valley	0.00	0	0.05	20	0
Los Angeles	0.11	6	1.39	82	1
Riverside	0.03	2	1.72	134	0
Palm Springs	0.00	0	0.27	28	0
San Diego	0.02	1	0.63	40	0

Key Reservoir Storage (1,000 AF) as of 11/30/2017								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,767	1,587	111	2,448	72	---	681
Shasta Lake	Sacramento	3,221	2,705	119	4,552	71	-31	1,331
Lake Oroville	Feather	1,268	2,138	59	3,538	36	-1,748	2,270
New Bullards Bar Res	Yuba	714	529	135	966	74	-82	252
Folsom Lake	American	615	468	131	977	63	38	362
New Melones Res	Stanislaus	1,998	1,355	147	2,400	83	28	422
Don Pedro Res	Tuolumne	1,623	1,320	123	2,030	80	-67	407
Lake McClure	Merced	667	450	148	1,025	65	-7	358
Millerton Lake	San Joaquin	339	219	154	520	65	-97	181
Pine Flat Res	Kings	476	371	128	1,000	48	-165	524
Isabella	Kern	167	156	107	568	29	-3	401
San Luis Res	(Offstream)	1,522	1,225	124	2,041	75	---	517

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for December 2017, issued November 30, 2017, suggests below average precipitation for all of California.